



Please carefully study this manual and always keep it available. There are, however, some installation and operation precautions which you should be aware of . (1) Read these instructions-All the safety and operating instructions should be read before the product is

(2) Keep these instructions-The safety and operating instructions should be retained for future reference. (3) Heed all warnings-All warnings on the product and in the operating instructions should be adhered to. (4) Follow all instructions-All operating and use instructions should be followed. (5) Do not use this apparatus near water-The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

(6) Clean only with dry cloth-Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Clean only with dry cloth. Exception: A product that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged

by the user for cleaning or any other purpose, may exclude the reference to unplugging the product in the cleaning description otherwise required in 131.8(5) 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instruction-Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and

to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to . (8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus

blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. (10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords

(9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two

(including amplifiers) that produce heat.

at plugs, convenience receptacles, and the point where they exit from the product. (11) Only use attachments/'accessories specified by the manufacturer. Do not use attachments not recommended by the product manufacturer as they may cause hazards. (12) Use only the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the appa-

ratus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from

(13) Unplug this apparatus during lightning storms or when unused for long periods of time. Unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges. (14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects

normally, or has been dropped. (15) Power Sources- This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the

have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate

(16) Protective Attachment Plug-The product is equipped with an attachment plug having overload protection. This is a safety feature. See instruction manual for replacement or resetting of protective device.

If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug. (17) Outdoor Antenna Grounding- If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANS/NFPA 70, provides information with

regard to proper grounding conductors, location or antenna- discharge unit, connection to grounding

electrodes, and requirements for the grounding electrode. (18) Power lines- An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

(19) Overloading- Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock. (20) Object and Liquid Entry- Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel. (22) Replacement Parts-When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric, or other hazards.

to perform safety checks to determine that the product is in proper operating condition.

(21) Servicing -Do no attempt to service this product yourself as opening or removing covers may expose

(23) Safety Check- Upon completion of any service or repairs to this product, ask the service technician

or disassembly is prohibited.



**WARNING:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

. The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.

. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Dangerous high voltage is present inside the enclosure. Do not open the cabinet. CAUTION: To prevent electric shock, match wide blade plug to wide slot, and fully insert. CAUTION: This Digital Video Disc Player employs a laser System. To prevent direct exposure to the laser beam, do not try to open the enclosure. When open and the interlocks are defeated, visible laser radiation is present. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. DO NOT STARE INTO BEAM.

in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction may cause harmful interference to radio communication. NOTICE: 11 This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering

FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device. Pursuant with

the FCC Rules,Part 15. These limits are designed to provide reasonable protection against harmful interference

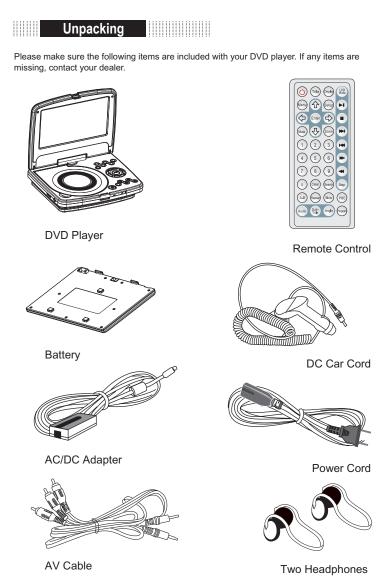
## IMPORTANT SAFETY INSTRUCTIONS TABLE OF CONTENTS UNPACKING..... NOTE ON DISC..... IDENTIFICATION OF CONTROLS..... CONNECTIONS(Connecting to a TV)..... CONNECTIONS(Connecting to an amplifier Logic Surround) PREPARATIONS BEFORE OPERATION...... PLAYING A DISC..... FUNCTION BUTTONS..... SETUP MENU..... CUSTOM SETUP......

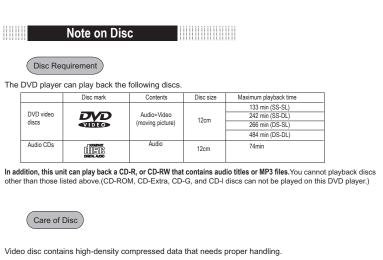
TROUBLE SHOOTING....

SPECIFICATIONS.....

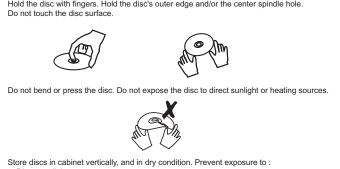
## DC 9.0V 2A (AC adapter TERMINAL) Power consumption NTSC / PAL Signal system $1\pm0.2V$ (p-p), 75ohm, negative sync., 3.5 mm mini jack x1 Video output S-video output (Y) 0.7 ±0.14V (p-p), 75 ohm, negative sync. (C) 0.88±0.176V(p-p), 75 ohm 1.5 Vrms (1 KHz, 0dB), 3.5 mm mini jack x1 Earphone terminal 3.5mm stereo mini jack x2 Signal /Noise ratio(audio) 90dB typical Dynamic range(audio) 90dB typical Panel size 480 X 234 pixels Wavelength 650 nm Operating conditions Temperature: 0°c to 35°c. Operation status : Horizontal 194 x152x30 mm (main unit) Dimensions

993g (main unit)



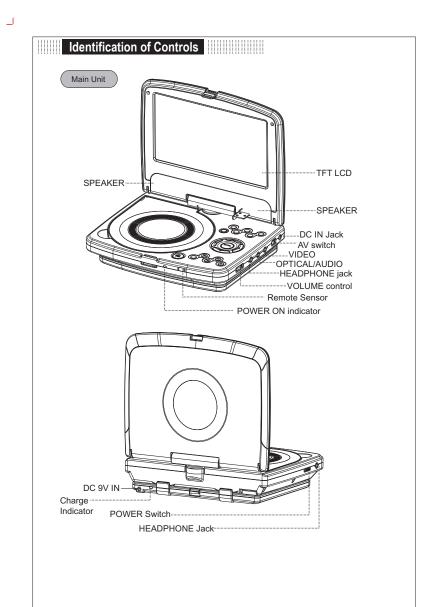


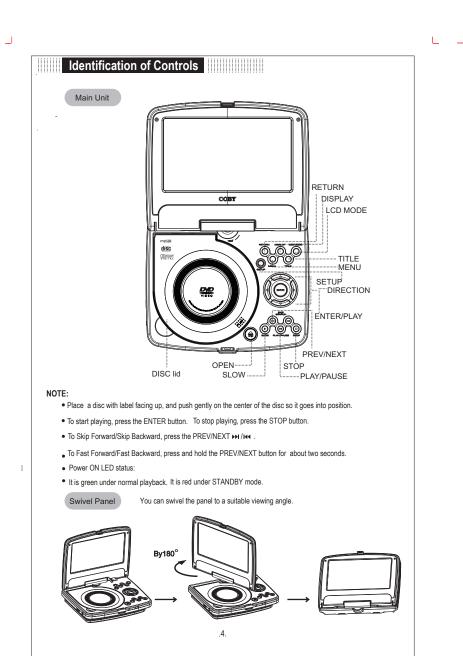
Video disc contains high-density compressed data that needs proper handling. Hold the disc with fingers. Hold the disc's outer edge and/or the center spindle hole. Do not touch the disc surface.

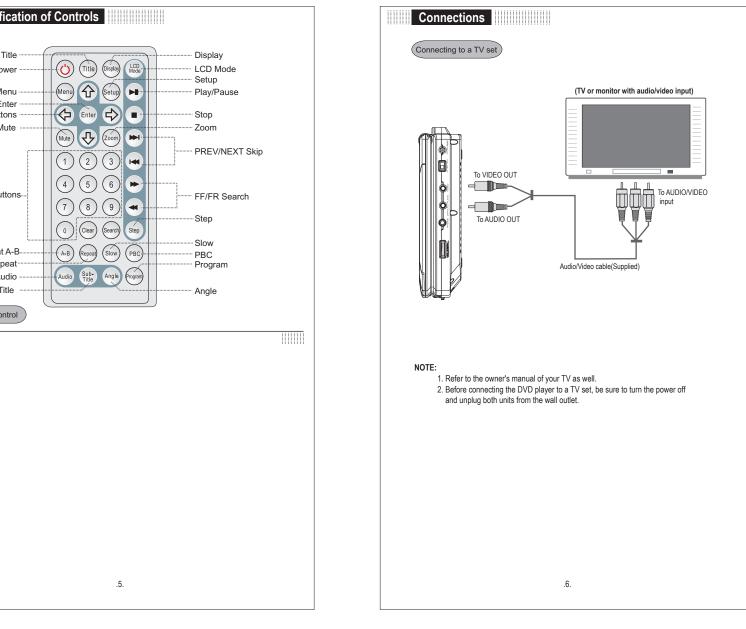


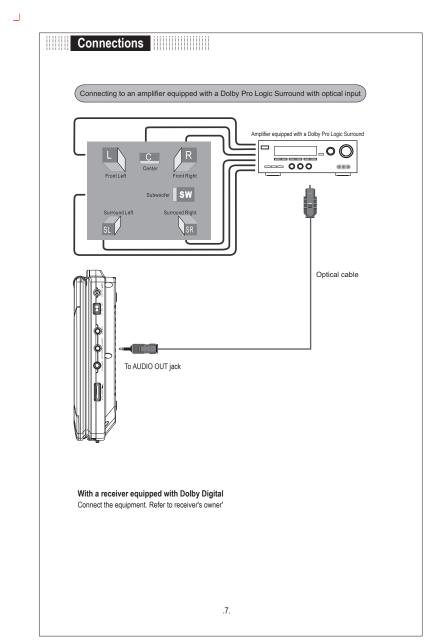
 Direct sunlight Heat or exhaust from a heating device.
Extreme humidity.

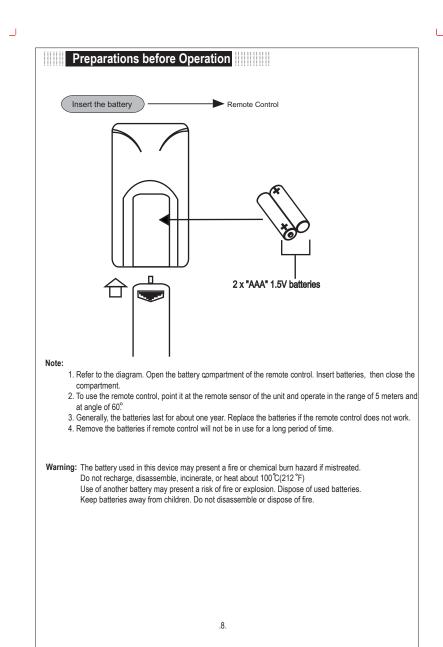
Clean the disc surface with a soft, dry cleaning cloth. Wipe the disc surface gently and radically from center toward the outer edge.Do not apply thinner, alcohol, chemical solvent, or sprays when cleaning. Such cleaning fluids will permanently damage the disc surface.

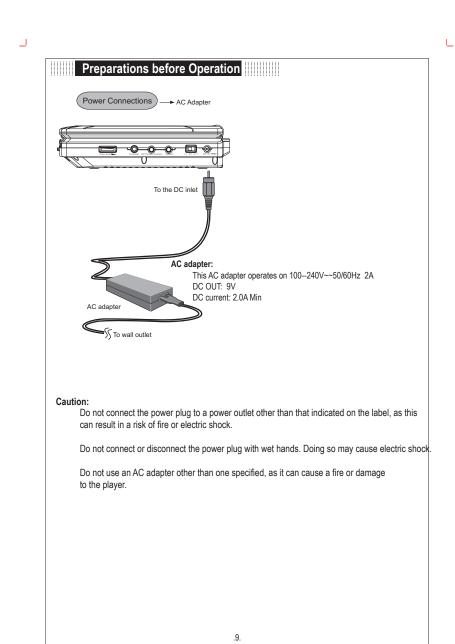


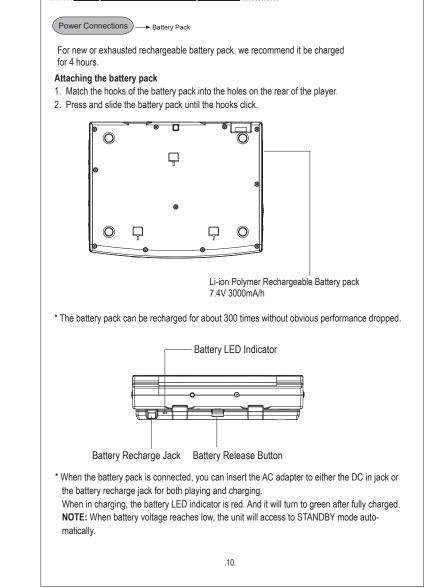














• Please keep a copy of the new password in a safe place. Otherwise, you will not be able to change the Parental

Please remember your password, as the DEFAULT setting will revert everything BUT the PASSWORD to the

When the Angle Mark function is ON, an icon will be displayed on screen if the disc has multiple angle shots

This function allows you to change the player back to the factory default settings. All settings will be changed

• If the single sided disc is placed in upside down, "NO DISC" or "BAD DISC" will appear on the TV screen.

. After playing back all of the chapters in the title, the DVD player stops automatically and shows the menu screen

Playing a Disc

. Open the cover of the DVD player by hand.

Slide the POWER switch to the left to turn

Press OPEN button to open the disc lid and insert

a disc with the label up. Close the disc lid by hand.

Prepare the power supply.

the unit on.

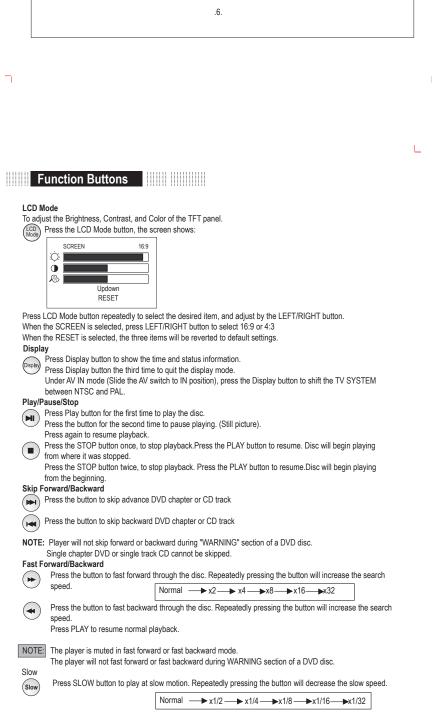
C). Angle Mark

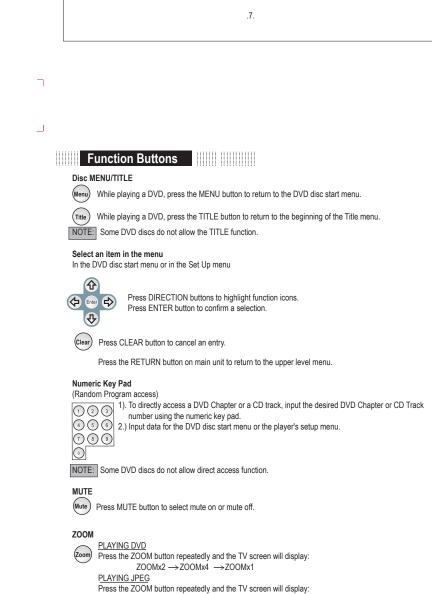
Choose between ON and OFF.

Press ANGLE on the remote control to enjoy these scenes.

back to the original settings except the Password.

available for viewing.





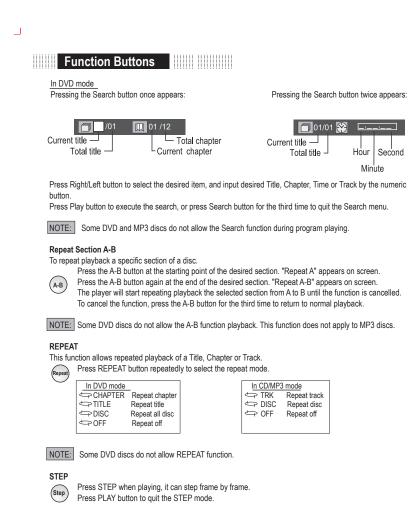
 $25\% \rightarrow 50\% \rightarrow 100\% \rightarrow 150\% \rightarrow 200\%$ 

While at 150% or 200%, press the direction button to move the picture position.

While at 100%, press the direction button to rotate the picture.

NOTE: The picture quality decreases as the picture size increases.

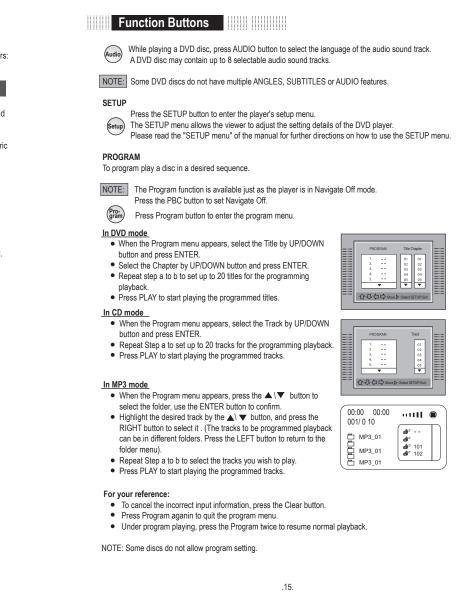
(Search) Go to a desired section. (A desired Title, chapter, Time or Track)

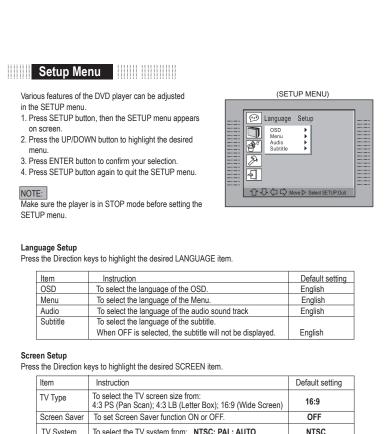


Angle While playing a DVD disc, press ANGLE button to view different camera angles on the disc. A DVD disc may contain up to 9 selectable camera angles.

While playing a DVD disc, press Sub-Title button to select the language of the viewable subtitle. A DVD disc may contain up to 32 selectable subtitles.

Multi-Angle/Subtitle/Audio





Item	Instruction	Default setting
OSD	To select the language of the OSD.	English
Menu	To select the language of the Menu.	English
Audio	To select the language of the audio sound track	English
Subtitle	To select the language of the subtitle.  When OFF is selected, the subtitle will not be displayed.	English
TV Type	To select the TV screen size from: 4:3 PS (Pan Scan); 4:3 LB (Letter Box); 16:9 (Wide Screen)	16:9
Screen Saver	To set Screen Saver function ON or OFF.	OFF
TV System	To select the TV system from: NTSC; PAL; AUTO	NTSC
	To select the TV system from: NTSC; PAL; AUTO  To select the brightness from: Normal; Bright; Soft	NTSC NORMAL
TV System		
TV System Brightness Contrast  • Certain DVD disc player w • The TV syste dio Setup	To select the brightness from: Normal; Bright; Soft  To select the contrast level from:-4; -3; -2; -1; 0; 1; 2; 3; 4  discs are formatted in wide screen (16:9) or letter box (4:3) onl ill not change the screen size for these "Format-only" discs. em for North America is NTSC. Auto should only be used if you eys to highlight the desired Audio item.	NORMAL 0  y. Adjusting the settir have a Multi-System
TV System Brightness Contrast  • Certain DVD disc player w • The TV syste dio Setup	To select the brightness from: Normal; Bright; Soft  To select the contrast level from:-4; -3; -2; -1; 0; 1; 2; 3; 4  discs are formatted in wide screen (16:9) or letter box (4:3) onl ill not change the screen size for these "Format-only" discs. em for North America is NTSC. Auto should only be used if you	NORMAL 0 y. Adjusting the setting

When Digital Out is NOT in use, it is recommended to turn OFF the digital output setting, for the purpose

SPDIF/PCM; SPDIF/RAW; OFF

of minimizing the circuit interference.

In disc messages will be displayed on screen when there is a format problem with loaded disc:  GREGIONAL DISC"  code of the disc is not matching to the player's (region 1 to region 6)  GPASSWORD"  Ing level of the disc is higher than the rating level setting of the player.  Ing level of the disc.  GDISC"  Inger is equipped with automatic disc quality detection software. When the player detects a problem or damaged unit may play the disc at a lower quality or stop completely, depending on the damaged level of the disc.  Production qualities of DVD discs vary. Some discs may deviate from the industry standard. Some incorrectly formatted discs may be played. However, the playback and operational quality may be substandard.  It management to the disc of time, please push power switch to OFF position.	Press the button to skip advance DVD chapter or CD track  NOTE: Player will not skip forward or backward during "WARNING" section of a DVD disc. Single chapter DVD or single track CD cannot be skipped.  Fast Forward/Backward  Press the button to fast forward through the disc. Repeatedly pressing the button will increase the speed.  Normal → x2 → x4 → x8 → x16 → x32  Press the button to fast backward through the disc. Repeatedly pressing the button will increase the speed.  Press the button to fast backward through the disc. Repeatedly pressing the button will increase the speed.  Press PLAY to resume normal playback.  NOTE: The player is muted in fast forward or fast backward mode. The player will not fast forward or fast backward during WARNING section of a DVD disc.  Slow  Slow  Press SLOW button to play at slow motion. Repeatedly pressing the button will decrease the slow  Normal → x1/2 → x1/4 → x1/8 → x1/16 → x1/2  NOTE: The player is muted at SLOW mode.
	L J
ustom Setup	Trouble Shooting
ne direction keys to highlight the desired Custom item. (Parental Ctrl, Password, Angle Mark, Default)	Should your DVD player develop a problem, please check below before requesting service:
ental Ctrl re are eight levels of Parental Control. Level one opens discs to people of all ages. Level eight is suitable	Symptom Check and Action
for adults.  hange the parental control setting, a 4-digit code is required to be input first. (The default code is 8888.)  en the input code is confirmed, the level setting menu will appear. Select the appropriate level by the	No power  1. Make sure the unit has been powered on manually. 2. Check if the power cord has been properly connected to the power outlet. 3. Make sure the battery pack is fully charged.
DOWN button, and press ENTER to confirm.  sword  e the cursor to the PASSWORD prompt and press ENTER. Input the password 8888 if it is the first use.  r confirmation, you will be required to input a new 4-digit code, and verify again.  WG:	Does not play  1. No disc, load a disc. 2. Disc has been loaded upside down. Place the disc with the label side up. 3. Disc's rating level is higher than the player's setting. 4. Disc is incorrect type for the player. 5. Disc is damaged or dirty. Clean the disc or try another one. 6. Moisture may be condensed inside the player. Remove the disc and leave th power on for one or two hours.

Symptom	Check and Action
No power	Make sure the unit has been powered on manually.     Check if the power cord has been properly connected to the power outlet.     Make sure the battery pack is fully charged.
Does not play	1. No disc, load a disc. 2. Disc has been loaded upside down. Place the disc with the label side up. 3. Disc's rating level is higher than the player's setting. 4. Disc is incorrect type for the player. 5. Disc is damaged or dirty. Clean the disc or try another one. 6. Moisture may be condensed inside the player. Remove the disc and leave the ur
No Picture	Check if the TV set has been powered on. Use TV remote to select AV signal for DVD rather than broadcast.     Check if the system connection is proper and secure.     Check if the connection cables are damaged.     Clean the disc.
Picture noisy/ distorted	Disc is damaged or dirty. Clean the disc or try another one.     Reset the color system of the TV set.     Make sure the DVD player is not connected through a VCR, cable or satellite disc
No sound or sound output not complete	1. Check if the TV and amplifier have been switched on and correctly set. 2. Check if the TV and amplifier system connections are secured. 3. Press AUDIO button to select other audio tracks of the disc. 4. Check if the MUTE function of the TV or amplifier has been activated. 5. There will be no sound output during REVERSE PLAY/PAUSE/SLOW and SEARCH.
Remote control does not work	1. Make sure the POWER button on the unit has been turned on manually. 2. Remove the obstacles between the remote control and the player. 3. Point the remote control towards the remote sensor on the player. 4. Check if the batteries of the remote control have been loaded with correct polarities. 5. Replace the batteries of the remote control.
Malfunction	Should the player develop a malfunction, unplug the player for 30 minutes. After that, power on the player and the restore function should reset the player.

Specification	
Power supply	DC 9.0V 2A (AC adapter TERMINAL)
Power consumption	≤ 9.8W
Signal system	NTSC / PAL
Video output	1±0.2V (p-p), 75ohm, negative sync.,
	3.5 mm mini jack x1
Audio output	1.5 Vrms (1 KHz, 0dB), 3.5 mm mini jack x1
Earphone terminal	3.5mm stereo mini jack x2
Signal /Noise ratio(audio)	90dB typical
Dynamic range(audio)	90dB typical
Panel size	7 inch (16:9)
Resolution	480 X 234 pixels
Laser	Wavelength 650 nm
Operating conditions	Temperature: 0°c to 35°c. Operation status: Horizontal
Dimensions	194 x152x30 mm (main unit)
Weight	970g (main unit)